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(54) **Process for the production of polyester.**

(57) A process for the production of polyester comprising at least 80% of an ethylene terephthalate repeating unit using as a starting material an ester compound made mainly of terephthalic acid and ethylene glycol or an oligomer thereof is disclosed. This process is characterized in that a prepolymer having an intrinsic viscosity of not more than 0.4 dl/g and a carboxyl terminal group concentration [COOH] of not more than $90 \times [\eta]^{-0.4} \mu\text{eq/g}$ is fed to a final polymerization unit and polymerized in the form of a molten thin film having a thickness of from 0.005 to 0.15 mm.



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	US-A-3 161 710 (G.M. TURNER) * column 2, lines 6-29; column 3, line 55 - column 6, line 7; claims 1-15; example 5 *	1-4,6-9	C 08 G 63/22
A	GB-A-1 196 670 (BEMBERG S.p.A.) * page 1, line 43 - page 2, line 12; page 2, lines 90-130; claims 1,2,6,11-16 *	1,7-9	
A	CHEMICAL ABSTRACTS, vol. 80, no. 6, 11th February 1974, page 18, column 1, abstract no. 27690p, Columbus, Ohio, US; & JP - A - 73 05119 (TOYOBO CO. LTD.) 14-02-1973 (Cat. D,A)	1,7-9	
A	US-A-4 205 157 (B. DUH) * column 3, line 51 - column 4, line 19; figures 1,2 *	1,4,5	TECHNICAL FIELDS SEARCHED (Int. Cl.4) C 08 G 63/00
A	US-A-4 150 215 (M.M. KELLEY) * claim *	1,4,5	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 09-10-1987	Examiner IDEZ C.G.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			